Index to Volume XXIII

Abbreviations:—'(P)' refers to the summaries of papers read at the General Meetings of the Association of Clinical Pathologists or at other meetings or symposia. '(L)' refers to letters to the Editor.

Acanthamoeba. *See Hartmannella*
Acrylamide gel electrophoresis, thin-layer, 727
ADAMS, J. H.: Some further observations on microgliomatosis (P), 377
Adenomas, parathyroid, associated with malabsorption syndrome and chronic renal disease, 362
Africa, generalized herpes simplex in malnourished children in, 24
Africans, fibrinolysis, Stypven time, and platelet aggregation in, effect of fat diet, 580
Agglutination test for *Brucella* antibody, comparison with indirect fluorescent antibody, complement-fixation and Coombs tests, 161
AHERNE, W., BIRD, T., COURT, S. D. M., GARDNER, P. S., and MCQUILLIN, J.: Pathological changes in virus infections of the lower respiratory tract in children, 7
AHUJA, S. *See* CORNER, N., AHUJA, S., and LEWIS, S. M.
AHULU, F. KONOTEY-. *See* KONOTEY-AHULU, F.
Alcohol determination in blood, colorimetric method for (P), 826
ALDERSON, M. R., POLLER, L., and THOMSON, J. M.: Validity of the British system for anticoagulant control using the national reagent, 281
ALEXANDER, M. K., CONNIGALE, J., JOHNSON, T., POULTER, I. R., and WAKEFIELD, J.: A data processing system for hospital bacteriology, 77
ALI, S. A., AL-YUSUF, A. R., SALEM, S. N., ELGHAMRAWY, E., and ZAGULAUL, S.: Pernicious anaemia among Arabs in Kuwait, 577
Alkaline phosphatase activity of polymorphonuclear leucocytes and lymphocytes separated from normal blood, 590
—— phosphatases, serum, tissue-specific, electrophoretic separation of, 499
ALLEN, A. V. H., and RIDLEY, D. S.: Further observations on the formol-ether concentration technique for faecal parasites, 545
Alpha-fetoprotein, detection and identification in serum, 733
ALSTON, W. C.: Hepatic and renal complications arising from accidental carbon tetrachloride poisoning in the human subject, 249
AL-YUSUF, A. R. *See* ALI, S. A., AL-YUSUF, A. R., SALEM, S. N., EL-GHAMRAWY, E., and ZAGULAUL, S.
Amino acids, trinitrophenyl derivatives of, in urine and plasma, thin-layer chromatography of, 315
Ammonium levels of venous blood, effect of exercise, 715
—— —— —— —— —— in controls and in liver disorders, 720
Ampicillin, resistance to (L), 552
Amylase isoenzyme demonstration, direct staining technique for, 373
Amyloid, intrafollicular, in primary hyperparathyroidism, 811
—— lung (P), 826
Anaemia, haemolytic, chronic, due to glucose-6-phosphate dehydrogenase deficiency in English family, 135
——, ——, microangiopathic, red cell adherence in, 711
——, megaloblastic, of pregnancy, clinical and laboratory study and use of total and labile serum folate levels in diagnosis, 379
——, pernicious, among Arabs in Kuwait, 577
——, ——, ^{57}Co vitamin B_{12} plasma level absorption test in, 569
——, ——, vitamin B_{12} levels in erythrocytes in, 219
——, sickle-cell, differentiation from sickle-cell trait by whole blood solubility test, 781
——, ——, iron metabolism in, study with large volume liquid scintillation counter, 127
ANAGNOSTAKIS, D. *See* MATSANIOTIS, N., KIOSSOGLOU, K., MAOUNIS, F., and ANAGNOSTAKIS, D.
ANDERSON, B. B., PEART, M. B., and FULFORD-JONES, C. E.: The measurement of serum pyridoxal by a microbiological assay using *Lactobacillus casei*, 232
ANDERSON, M. C., and LANGLEY, F. A.: Mesonephroid tumours of the ovary, 210
ANGOURIDAKIS, C. E. *See* GOUDIE, R. B., and ANGOURIDAKIS, C. E.
Annular assay, standardized, of dual radioisotopes on well type sodium iodide crystal, 336
ANSON, R. CANAPA-. *See* CANAPA-ANSON, R.
ANTHONY, P. P., and DRURY, R. A. B.: Elastic vascular sclerosis of mesenteric blood vessels in argentaffin carcinoma, 110
Antibiotics, differential attachment to glycoprotein and blood lymphocytes, 266
——, resistance of *Staph. aureus* to, stability of, 19
——, sensitivity of *Bacteroides fragilis in vitro* to, effect of carbon dioxide, 254
——, *Staph. aureus* resistant to, screening technique for nasal carriers of, 546
Antibodies, elution from biopsy tissue, 629
——, serum, immunofluorescence techniques for detection of, preparation of virus-infected cells for, 319
Antibody, *Brucella*, indirect fluorescent antibody test for, comparison with agglutination, complement-fixation and Coombs tests, 161
—— to *Mycoplasma hominis* in respiratory disease, 664
Anticoagulant control, British system using national reagent for, validity of, 281
—— therapy, oral, long-term, comparison of prothrombin and partial thromboplastin tests in (P), 827
Anticonvulsant therapy, long-term, macrocytosis in, 296
Anti-D content of sera, assay with Technicon AutoAnalyzer and International Standard serum, 801
Antigen, Australia, in healthy, leprous and leukaemic Brazilians, 39
—— of herpes simplex virus, demonstration by immunofluorescence, 29
Anti-inflammatory drugs, comparison of effects on platelets, 522
Arabs in Kuwait, pernicious anaemia among, 577
Argentaffin carcinoma of ileum, elastic sclerosis of mesenteric blood vessels in, 110
ARMSTRONG, B. K., and WOODLIFF, H. J.: Studies on the ^{57}Co vitamin B_{12} plasma level absorption test, 569
ARROWSMITH, D. J. *See* BAAR, S., and ARROWSMITH, D. J.
Asians, fibrinolysis, Stypven time, and platelet aggregation in, effect of fat diet, 580
Aspirin, sensitivity of platelets to, in von Willebrand's disease, 526
Association of Clinical Biochemists: Reports and Bulletins, 84, 171, 272, 372, 480, 639, 729
Association of Clinical Pathologists: 84th General Meeting, 377
—— —— —— ——: 85th General Meeting, 826
ATKINSON, S. M. *See* BELL, J. L., ATKINSON, S. M., and BARON, D. N.
AULTON, K. *See* BURMESTER, H. B. C., AULTON, K., and HORSFIELD, G. I.
Australia antigen in early life of child following serum hepatitis in parents (P), 826
—— —— —— healthy, leprous and leukaemic Brazilians, 39
AutoAnalyzer, flexible electrophoresis applicator for use in protein analysis with, 450
—— method for estimation of serum glyceride glycerol with glycerokinase procedure, 509
——, single-channel, modification to provide two channels, 187
——, Technicon, evaluation for automation of complement-fixation tests (L), 92
——, ——, in assay of anti-D content of sera, 801
——, —— SMA 12/60, in cholesterol determination (L), 741
Autoimmune thryoiditis associated with malignant lymphoma of thyroid (P), 377
Automated assay of folate in serum and whole blood, 54
—— —— —— urinary oestrogens in pregnant women, evaluation of, 492
—— method for measurement of folate activity, 47
Automatic complement-fixation tests, method for, 540
AYLIFFE, G. A. J.: Stability of neomycin resistance in *Staphylococcus aureus*, 19
Azostix strip test for blood urea, assessment of, 85

BAAR, S., and ARROWSMITH, D. J.: Thermal damage to red cells, 572
BACKHOUSE, J. L. *See* GARNER, M. F., and BACKHOUSE, J. L.
Bacteraemias, increase in London hospital, relation to increase in blood cultures, 166
Bacteria, Gram-negative, synergy of colistin, sulphamethoxazole and trimethoprim against, 757
——, growth inhibitors, role in urinary diagnostic cultures, 627
—— in respiratory tract in cystic fibrosis, affinity for glycoproteins, 262
Bacteriology, hospital, data processing system for, 77
Bacteroides fragilis, sensitivity to antibiotics *in vitro*, effect of carbon dioxide, 254
BALLARD, B. C. D. *See* SHARP, A. A., and BALLARD, B. C. D.
Barbiturate blood levels at necropsy in acute barbiturate poisoning, 435
—— poisoning, acute, blood levels in (L), 741
Barbiturates, Curry's test for, false positive in (L), 375
BARCLAY, G. P. T. *See* HUNTSMAN, R. G., BARCLAY, G. P. T., CANNING, D. M., and YAWSON, G. I.
BARON, D. N. *See* BELL, J. L., ATKINSON, S. M., and BARON, D. N.
——. *See* MURPHY, G. M., BILLING, B. H., and BARON, D. N.
BARR, W. T., POWELL, D. E. B., and RAFFAN, J. B.: Cellular contamination during automatic and manual staining of cytological smears, 604
BARROW, G. I., and ELLIS, C.: Direct microscopical examination of tube cultures for the detection of trichomonads, 91
BECKER, D. *See* KATZ, J., LURIE, A., BECKER, D., and METZ, J.
BEELEY, L. *See* HOBBY, J. A. E., BEELEY, L., and WHITBY, J. L.
BELL, J. L., ATKINSON, S. M., and BARON, D. N.: An AutoAnalyzer method for estimating serum glyceride glycerol using a glycerokinase procedure, 509
BELL, T. K.: Standardized annular assay of dual radioisotopes on a well type sodium iodide crystal, 336
BENSTER, B., and CAUCHI, M. N.: Haemoglobin A_2 level in pregnancy, 538

BERRY, C. L.: Histopathological findings in the combined immunity-deficiency syndrome, **193**
——, and KEELING, J. W.: Gastrointestinal lymphoma in childhood, **459**
Bile acids, individual, in biological fluids, determination by thin-layer chromatography and fluorimetry, **309**
—— ——, serum, total, estimation by fluorimetric and enzymatic method, **594**
Biliary cirrhosis, primary, immunological and histological studies in, **95**
—— ——, ——, red cell survival in, **397**
BILLING, B. H. *See* MURPHY, G. M., BILLING, B. H., and BARON, D. N.
Biopsy, renal, for light microscopy, processing technique for, **548**
—— tissue, elution of antibodies from, **629**
BIRD, T. *See* AHERNE, W., BIRD, T., COURT, S. D. M., GARDNER, P. S., and MCQUILLIN, J.
Bitis nasicornis venom, effect on blood coagulation, platelet aggregation and fibrinolysis, **789**
BLACK, W. A.: Search for *Serratia* (P), **378**
——: Sensitivity of *Nocardia* to trimethoprim and sulphonamides *in vitro*, **423**
BLACKBURN, E. K. *See* UNDERWOOD, J. C. E., SHAHANI, R. T., and BLACKBURN, E. K.
BLAIR, J. A. *See* LEEMING, R. J., PORTMAN-GRAHAM, H., SWAN, C. H. J., and BLAIR, J. A.
BLIGHT, B. J. N. *See* DONALDSON, D., BLIGHT, B. J. N., and LASCELLES, P. T.
Blood alcohol determination, colorimetric method for (P), **826**
——, barbiturate levels at necropsy in acute barbiturate poisoning, **435**
—— coagulation, effect of viper venom (*Bitis nasicornis*), **789**
—— counting machines. *See* Coulter counter
—— cultures, increase in London hospital, relation to increase in bacteraemias, **166**
—— donors, chronic biological false-positive reactions to serological tests for syphilis in, **478**; (L), **552**
—— ——, healthy, erythrocyte glutathione reductase activity in, **708**
—— levels in acute barbiturate poisoning (L), **741**
—— lymphocytes and glycoprotein, differential attachment of antibiotics to, **266**
—— mucopolysaccharide in neuroblastoma, **246**
——, peripheral, preparation of pure lymphocyte suspensions from, evaluation of methods for, **822**
—— phenylalanine, automated fluorimetric estimation of, for detection and investigation of phenylketonuria, **440**
—— platelets, adhesiveness of, and von Willebrand factor, **228**
—— ——, ——, estimation on whole blood and platelet-rich plasma, **144**
—— ——, —— ——, irrelevance of estimation after thrombosis, **407**
—— ——, aggregation, effect of fat diet in Africans, Asians, and Europeans, **580**
—— ——, ——, —— —— mucopolysaccharide stains, **784**
—— ——, ——, —— —— viper venom (*Bitis nasicornis*), **789**
—— ——, changes in postoperative period and comparison of glass bead and rotating bulb methods for detection, **140**
—— ——, comparison of effects of different anti-inflammatory drugs, **522**
—— ——, functional tests in normal and uraemic subjects, **402**
—— ——, sensitivity to aspirin in von Willebrand's disease, **526**
—— samples, spinal cord, diagnosis of sickle-cell and haemoglobin C disease in, assessment of techniques for, **533**
—— urea, assessment of Azostix strip test for, **85**
——, venous, ammonium levels, effect of exercise, **715**
——, ——, —— —— in controls and in liver disorders, **720**
——, whole, folate in, automated assay of, **54**
——, ——, solubility test for differentiation of sickle-cell trait from sickle-cell anaemia, **781**
BLUMBERG, B. S. *See* SALZANO, F. M., and BLUMBERG, B. S.
Body fluids, folate binding in, **703**
BOLD, A. M., MENZIES, I. S., and WALKER, G.: An assessment of the Azostix strip test, **85**
Bone marrow cells, chromosomal aberrations in infective hepatitis, **553**
—— —— particles, histological examination with hydroxyethyl methacrylate embedding, **640**
BOODE, J. H. M. *See* FELTKAMP, T. E. W., and BOODE, J. H. M.
——. *See* FELTKAMP-VROOM, T. M., and BOODE, J. H. M.
Book reviews:
Allan, J. D., and Raine, D. N., eds.: *Some Inherited Disorders of Brain and Muscle*, 1969, **279**
——, *et al.*: *Enzymopenic Anaemias, Lysosomes, and Other Papers*, **375**
Anderson, P. A., ed.: *Diagnostic Uses of Radioisotopes in Medicine*, 1969, **280**
Baron, D. N.: *A Short Textbook of Chemical Pathology*, 1969, **279**
Baserga, R., ed.: *Biochemistry of Cell Division*, 1969, **828**
Bloodworth, J. M. B., ed.: *Endocrine Pathology*, 1968, **376**
Burnet, M.: *Cellular Immunology*, Books 1 and 2, 1969, **276**
Caird, F. I., Pirie, A., and Ramsell, T. G.: *Diabetes and the Eye*, 1969, **279**
Carter, R. L., and Penman, H. G., eds.: *Infectious Mononucleosis*, 1969, **376**
Clarke, E. G. C., ed.: *Isolation and Identification of Drugs*, 1969, **279**
Comel, M., and Laszt, L., eds.: *Biochemie der Gefasswand: Biochemistry of the Vascular Wall*, 1969, **457**
Crowley, N., Bradley, J. M., and Darrell, J. H.: *Practical Bacteriology*, 1969, **277**
Doerr, W., Seifert, G., and Uehlinger, E., eds.: *Spezielle pathologische Anatomie*, Vol. 4, 1969, **742**
Emery, A. E.: *Elements of Medical Genetics*, 1968, **828**
Enzinger, F. M., Latees, R., and Torloni, H.: *Histological Typing of Soft Tissue Tumours* (International Histological Classification of Tumours, No. 3), 1969, **456**
Farnes, P., ed.: *Hemic Cells in vitro*, 1969, **276**
Foulds, L.: *Neoplastic Development*, Vol. 1, 1969, **278**
Frost, J. K.: *The Cell in Health and Disease* (Monographs in Clinical Cytology, 2), 1969, **457**
Gould, S. E., ed.: *Pathology of the Heart and Blood Vessels*, 3rd ed., 1968, **191**
Gray, C. H., and Bacharach, A. L., eds.: *Hormones in Blood*, 2nd ed., vol. 1, 1967, **93**
Green, J. R.: *Medical History for Students*, 1968, **646**
Gruber, U. F.: *Blood Replacement*, 1969, **375**
Hayhoe, F. G. J., and Flemans, R. J., eds.: *An Atlas of Haematological Cytology*, 1969, **742**
Hertig, A. T.: *Human Trophoblast*, 1969, **277**
——, and Gore, H.: *Tumours of the Female Sex Organs; Part 2, Suppl.*, 1968, **278**
Heyck, H., and Laudahn, G.: *Die progressiv-dystrophischen Myopathien*, 1969, **827**
Himsworth, H.: *The Development and Organization of Scientific Knowledge*, 1970, **647**
Hoch-Ligeti, C.: *Laboratory Aids in Diagnosis of Cancer*, 1969, **280**
Hodgkinson, A., and Nordin, B. E. C., eds.: *Renal Stone Research Symposium*, 1969, **457**
Jawetz, E., Melnick, J. L., and Adelberg, E. A.: *Review of Medical Microbiology*, 8th ed., 1968, **277**
Kreyberg, L.: *Aetiology of Lung Cancer*, 1969, **278**
Lutz, E. L., Sr.: *Handbook of Plastic Embedding*, 1969, **280**
McDivitt, R. W., Stewart, F. M., and Berg, J. W.: *Tumors of the Breast* (Atlas of Tumor Pathology, 2nd Series, Fasc. 2), **456**
May, J. R.: *Chemotherapy of Chronic Bronchitis and Allied Disorders*, 1968, **192**
Miescher, P. A., and Müller-Eberhard, H. J., eds.: *Textbook of Immunopathology:* Vol. 1, General Immunopathology; Vol. 2, Clinical Immunopathology, 1968, **276**
Morgan, J. F., ed.: *Eighth Canadian Cancer Conference*, 1969, **456**
Nairn, R. C., ed.: *Fluorescent Protein Tracing*, 3rd ed., 1969, **458**
Pathology Annual, Vol. 4, 1969, **647**
Patten, S. F.: *Diagnostic Cytology of the Uterine Cervix VI* (Monographs in Clinical Cytology, 3), 1969, **457**
Pepys, J.: *Hypersensitivity Diseases of the Lungs due to Fungi and Organic Dusts* (Monographs in Allergy), 1969, **458**
Poláček, P., and Zechmeister, A.: *The Occurrence and Significance of Myocardial Bridges and Loops in Coronary Arteries*, 1968, **94**
Poller, L., ed.: *Recent Advances in Blood Coagulation*, 1969, **648**
Polson, C. J.: *Scientific Aspects of Forensic Medicine*, 1969, **458**
Recent Advances in Immunopathology and Blood Transfusion (Vox Sanguinis, Vol. 16, Nos. 4-5), 1969, **456**
Ring, A. M.: *Laboratory Correlation Manual*, 1969, **828**
Rose, J., ed.: *Computers in Medicine*, 1969, **458**
Rupp, C., ed.: *Mind as a Tissue*, 1968, **94**
Scadding, J. G.: *Sarcoidosis*, 1967, **93**
Spriggs, A. I., and Boddington, M. M.: *The Cytology of Effusions and Cerebrospinal Fluid*, 1968, **94**
Symington, T.: *Functional Pathology of the Human Adrenal Gland*, 1969, **741**
Thomson, A. D., and Cotton, R. E.: *Lecture Notes on Pathology*, 2nd ed., 1968, **93**
Torpin, R.: *The Human Placenta*, 1969, **648**
Toynbee, A., *et al.*: *Man's Concern With Death*, 1968, **192**
Tribe, C. R., and Silver, J. R.: *Renal Failure in Paraplegia*, 1969, **191**
Turk, J. L.: *Immunology in Clinical Medicine*, 1969, **456**
Walton, J. N., ed.: *Disorders of Voluntary Muscle*, 2nd ed., 1969, **458**
Wolstenholme, G. E. W., and Knight, J., eds.: *Homeostatic Regulators*, 1969, **827**
Woodruff, J. D., and Pauerstein, C. J.: *The Fallopian Tube: Structure, Function, Pathology and Management*, 1969, **376**
Books received, **192**
BOOTH, J. R., WAGSTAFF, W., and VOAK, D.: The effect of heat on the A, B, and H antigenic strength of human red cells, **225**
BOVAN, R. W.: Reconditioned laboratory equipment (L), **280**
Bowman's capsule, tubular metaplasia in, **472**
BRADDOCK, G. T. F. *See* HARDING, J. W., BRADDOCK, G. T. F., and CROYDON, E. A. P.
BRADSTREET, C. M. P. *See* EDWARDS, J. M. B., TANNAHILL, A. J., and BRADSTREET, C. M. P.
BRAFIELD, F.: False positive Curry's test (L), **375**
Brazil, Australia antigen in health and in leprosy and leukaemia in, **39**
Breast, tumours of, malignant, composite, case history in elderly woman, **414**
Britain, incidence of *Serratia* in (P), **378**
Bronchitis, chronic, and bronchiectasis, haematological effects of long-term treatment with trimethoprim and sulphonamide in, **392**
BROUGHTON, P. M. G., DYKES, J. R. W., HOLT, S., RIDLEY, J. W., and STEEL, A. E.: Mucopolysaccharide in the blood of a patient with neuroblastoma, **246**
BROWN, M. R. W., and FOSTER, J. H. S.: A simple diagnostic milk medium for *Pseudomonas aeruginosa*, **172**
Brucella antibody, indirect fluorescent antibody test for, comparison with agglutination, complement-fixation and Coombs tests, **161**
BUCK, A. C. *See* RIDDELL, R. H., and BUCK, A. C.
BURMESTER, H. B. C., AULTON, K., and HORSFIELD, G. I.: Evaluation of a rapid method for the determination of plasma fibrinogen, **43**

BURNS, J.: Preparation of thin epoxy resin sections from thick sections of paraffin-embedded material, 643
Busulphan treatment in chronic granulocytic leukaemia, cholestatic jaundice after (P), 827
BUTTERWORTH, S.: Electron microscopic findings in Q fever (P), 377

Calciferol and penicillamine treatment, effect on renal function in severe osteomalacia due to Wilson's disease, 487
Calcification of mitral valve ring, pathological and clinical study of, 354
Calcium, plasma level, total, effect of diurnal variation in normal subjects, 772
——, serum, adsorption by plastic sample cups, 323
CAMPBELL, C. B., and POWELL, L. W.: Use of Triton X-100 scintillant in a simple method for the simultaneous assay of ^{55}Fe and ^{59}Fe by liquid scintillation counting, 304
CAMPBELL, M. J.: Tetracycline levels in bronchial secretions, 427
CANAPA-ANSON, R., and ROWE, D. J. F.: Electrophoretic separation of tissue-specific serum alkaline phosphatases, 499
Candida albicans suspension as leucocyte control, 65
CANNING, D. M., and HUNTSMAN, R. G.: An assessment of Sickledex as an alternative to the sickling test, 736
——. *See also* HUNTSMAN, R. G., BARCLAY, G. P. T., CANNING, D. M., and YAWSON, G. I.
Carbenicillin treatment in osteomyelitis due to *Pseudomonas aeruginosa*, 653
Carbon dioxide, effect on sensitivity of *Bacteroides fragilis* to antibiotics *in vitro*, 254
—— tetrachloride poisoning, accidental, hepatic and renal complications of, 249
Carcinoids, elastic changes in (L), 455
Carcinoma, argentaffin, of ileum, elastic sclerosis of mesenteric blood vessels in, 110
CARRUTHERS, M. E.: Computer analysis of routine pathology work schedules using a simulation programme, 269
——: Flexible electrophoresis applicator for use with the AutoAnalyzer in routine protein analysis, 450
CARTER, P. K., SCHOEN, I., and MIYAHIRA, T.: Quantitation of a slide test (Monotest) for infectious mononucleosis, 700
CASEMORE, D. P.: Sensitivity of *Hartmannella* (*Acanthamoeba*) to 5-fluorocytosine, hydroxystilbamidine, and other substances, 649
CAUCHI, M. N. *See* BENSTER, B., and CAUCHI, M. N.
Celloidin impregnation cycle for central nervous system material using tissue-processing apparatus (Histokinette), 740
Cellular contamination during automatic and manual staining of cytological smears, 604
Central nervous system material, dehydration and celloidin impregnation cycle using tissue-processing apparatus (Histokinette) for, 740
Cerebrospinal fluid, proteins of, separation by gel electrofocusing followed by electrophoresis, 586
CHAKRABARTY, A. N. *See* CHOUDHURI, K. K., and CHAKRABARTY, A. N.
CHISHOLM, D. M., WATERHOUSE, J. P., and MASON, D. K.: Lymphocytic sialadenitis in the major and minor glands: a correlation in postmortem subjects, 690
CHISHOLM, G. D. *See* PAPADIMITRIOU, M., CHISHOLM, G. D., KULATILAKE, A. E., and SHACKMAN, R.
Cholestatic jaundice after treatment of chronic granulocytic leukaemia with busulphan (P), 827
Cholesterol determination on Technicon SMA 12/60 (L), 741
—— determinations in serum and serum lipoprotein fractions by semi-automated fluorimetric method, evaluation of, 243
Cholinesterases, serum, temperature activity relationships, 730
CHOUDHURI, K. K., and CHAKRABARTY, A. N.: Relationship of staphylococcal toxins and enzymes with serological and phage types, 370
CHRISTENHUSZ, R. *See* PRESTON, F. E., and CHRISTENHUSZ, R.
Chromato-bioautographic method, two-dimensional, for separation of individual plasma cobalamins, 820
Chromatography, thin-layer, and fluorimetry, determination of individual bile acids in biological fluids by, 309
——, ——, of trinitrophenyl derivatives of amino acids in urine and plasma, 315
Chromosome aberrations in bone-marrow cells in infective hepatitis, 553
Cirrhosis, biliary, primary, immunological and histological studies in, 95
——, ——, ——, red cell survival in, 397
——, evaluation of haptoglobin phenotype O-O in hospital patients with, 695
CLARK, E. *See* O'BRIEN, J. R., FINCH, W., and CLARK, E.
CLARKE, A. D. *See* GOLDBERG, D. M., and CLARKE, A. D.
Clinical pathologists. *See* Pathologists
Cobalamins, plasma, individual, separation by two-dimensional chromato-bioautographic method, 820
CODD, A. A. *See* INGHAM, H. R., SELKON, J. B., CODD, A. A., and HALE, J. H.
Colistin, sulphamethoxazole and trimethoprim, synergy against Gram-negative bacteria, 757
Colon, diverticular disease of, Paneth cells in, 351
Colorimeter high-speed recording system, 452
Colorimetric method for blood alcohol determination (P), 826
Complement-fixation test for *Brucella* antibody, comparison with indirect fluorescent antibody, agglutination and Coombs tests, 161
—— —— in fascioliasis, compared with double diffusion precipitin test, 636
—— tests, automatic, method for, 540
—— ——, automation of, evaluation of Technicon AutoAnalyzer for (L), 92
Computer analysis of routine pathology work schedules using simulation programme, 269
CONAILL, D. U. *See* MUIR, G. G., RYAN, M., and CONAILL, D. U.
CONN, N. K.: A study of some of the methods of urinary collection in children, 81
Connective tissue in liver in children, 599
CONNIGALE, J. *See* ALEXANDER, M. K., CONNIGALE, J., JOHNSON, T., POULTER, I. R., and WAKEFIELD, J.
CONSTANTOULAKIS, M., PHOCAS, E., and THEODOROPOULOS, G.: Atypical leukaemia of long duration with monoclonal hypergammaglobulinaemia, 156
COOK, M. G., LEVELL, M. J., and PAYNE, R. B.: A method for deriving normal ranges from laboratory specimens applied to uric acid in males, 778
Coombs test for *Brucella* antibody, comparison with indirect fluorescent antibody, agglutination and complement-fixation tests, 161
CORNER, N., AHUJA, S., and LEWIS, S. M.: Inconsistency of temperature in plastic containers (L), 646
Coulter counter, model S, evaluation of, 68, 327
COURT, S. D. M. *See* AHERNE, W., BIRD, T., COURT, S. D. M., GARDNER, P. S., and MCQUILLIN, J.
CRAMP, D. G. *See* ROBERTSON, G., and CRAMP, D. G.
CROWLEY, N.: Some bacteraemias encountered in hospital practice, 166
Crowley, Nuala (*Obituary*), 455
CROYDON, E. A. P. *See* HARDING, J. W., BRADDOCK, G. T. F., and CROYDON, E. A. P.
Cryptococcal meningitis associated with prolonged steroid therapy, 657
CUNNINGHAM, G. J.: The reappearance of malaria in the U.S.A. (P), 826
CURRY, A. S.: Blood levels in acute barbiturate poisoning (L), 741
Curry's test for barbiturates, false positive in (L), 375
Cuvettes, use of disposable glass culture tubes as (L), 825
Cyanmethaemoglobin, rapid estimation of (L), 190
Cyanocobalamin. *See* Vitamin B_{12}
Cystic fibrosis, bacteria in respiratory tract in, affinity for glycoproteins of, 262
Cystine and homocystine in urine, nitroprusside test with Ketostix reagent strips for, 90
Cytological smears, cellular contamination during automatic and manual staining, 604

DALE, G., LATNER, A. L., and MUCKLE, T. J.: The investigation of myelomatosis by gel isoelectric focusing followed by electrophoresis, 35
——. *See also* FOSSARD, C., DALE, G., and LATNER, A. L.
DAS, P. C.: Assay of serum fibrin degradation products by agglutination-inhibition of coated erythrocytes, 299
——: Investigations and preparation of fibrinogen-coated tanned sheep red cells, 149
Data processing system for hospital bacteriology, 77
DAVIS, R. E., NICOL, D. J., and KELLY, A.: An automated method for the measurement of folate activity, 47
——. *See also* MILLBANK, L., DAVIS, R. E., RAWLINS, M., and WATERS, A. H.
DAVIS, T. *See* ENTICKNAP, J. B., LANSLEY, T. S., and DAVIS, T.
Dehydrogenase enzyme cytochemistry of unfixed leucocytes, 517
DELIGDISH, L., and LOEWENTHAL, M.: Endometrial changes associated with myomata of the uterus, 676
Dextran, ^{59}Fe-labelled, and Evans blue, for determination of plasma volume, comparison of, 286
Diverticular disease of colon, Paneth cells in, 351
DODU, S. R. A. *See* RINGELIANN, B., KONOTEY-AHULU, F., and DODU, S. R. A.
Dolphin bite, *Mycobacterium marinum* infection in man after, 475
DONALDSON, D., BLIGHT, B. J. N., and LASCELLES, P. T.: An assessment of serum ^{57}Co cyanocobalamin as an index of vitamin B_{12} absorption, 558
——, and LASCELLES, P. T.: Vitamin B_{12} absorption in some neurological and neuroendocrine disorders, 563
DONIACH, D. *See* HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.
DONIACH, I. *See* GRAY, A., and DONIACH, I.
DOUGLAS, A. S. *See* HASSANEIN, A. A., MCNICOL, G. P., and DOUGLAS, A. S.
Down's syndrome, macrocytosis in, 296
DRURY, R. A. B. *See* ANTHONY, P. P., and DRURY, R. A. B.
DYKES, J. R. W. *See* BROUGHTON, P. M. G., DYKES, J. R. W., HOLT, S., RIDLEY, J. W., and STEEL, A. E.

EASTHAM, R. D.: The irrelevance of adhesive platelet estimations after thrombosis, 407
——: Reaction to long-term oral anticoagulant therapy: a comparison of prothrombin and partial thromboplastin tests (P), 827
——, and JANCAR, J.: Macrocytosis in Down's syndrome and during long-term anticonvulsant therapy, 296
EDWARDS, J. M. B., TANNAHILL, A. J., and BRADSTREET, C. M. P.: Comparison of the indirect fluorescent antibody test with agglutination, complement-fixation, and Coombs tests for *Brucella* antibody, 161
Elastic changes and carcinoids (L), 455
ELDRIDGE, A. E., JONES, D. M., and TOBIN, B. M.: Antibody to *Mycoplasma hominis* in patients with respiratory disease, 664
Electron microscopy findings in Q fever (P), 377
Electrophoresis, acrylamide gel, thin-layer, 727
—— after gel electrofocusing in separation of cerebrospinal fluid proteins, 586
—— applicator, flexible, for use with AutoAnalyzer in protein analysis, 450
——, separation of tissue-specific serum alkaline phosphatases by, 499

EL-GHAMRAWRY, E. *See* ALI, S. A., AL-YUSUF, A. R., SALEM, S. N., EL-GHAMRAWY, E., and ZAGULAUL, S.
ELLIS, B. C.: Modification of plasma fibrinogen method (L), **374**
ELLIS, C. *See* BARROW, G. I., and ELLIS, C.
ELLSWORTH, E. L. *See* SCHOEN, I., and ELLSWORTH, E. L.
EMERY, J. L. *See* GHOSH, M. L., and EMERY, J. L.
Endometrium, pathological changes associated with uterine myomata, **676**
English family, glucose-6-phosphate dehydrogenase deficiency and chronic haemolysis in, **135**
ENTICKNAP, J. B., LANSLEY, T. S., and DAVIS, T.: Reduction in blood platelet size with increase in circulating numbers in the postoperative period and a comparison of the glass bead and rotating bulb methods for detecting changes in function, **140**
Enzymatic and fluorimetric method for estimation of serum total bile acids, **594**
Enzymes, staphylococcal, relationship with serological and phage types, **370**
Epididymoorchitis, pyogenic, followed by infected infarcts of testis, **668**
Epitheliosis, 'chronic mastitis' in (L), **92**
Epoxy resin tissue sections, thin, preparation from thick paraffin-embedded sections, **643**
Erythrocytes, A, B, and H antigenic strength of, effect of heat on, **225**
——, adherence in microangiopathic haemolytic anaemia, **711**
——, glutathione reductase activity in healthy blood donors, **708**
——, shape in hypothyroidism (P), **377**
——, sheep, tanned and fibrinogen-coated, preparation and investigations, **149**
——, survival in primary biliary cirrhosis, **397**
——, thermal damage to, **572**
——, vitamin B_{12} levels in normal subjects and in pernicious anaemia, **219**
Ethyloestrenol plus phenformin administration, enhancement of fibrinolytic activity and ^{125}I-fibrinogen survival by, **797**
Euglobulin lysis time test, inaccuracy as index of therapeutic inhibition of fibrinolysis, **529**
Europeans, fibrinolysis, Stypven time, and platelet aggregation in, effect of fat diet, **580**
EVANS, C. A., and MIDDLETON, V. L.: Evaluation of methods for preparing pure lymphocyte suspensions from peripheral blood, **822**
EVANS, D. M. D.: Haemoglobin levels in nursery school children (P), **826**
Evans blue and ^{59}Fe-labelled dextran for determination of plasma volume, comparison of, **286**
EVERALL, P. H.: The double diffusion precipitin test in human fascioliasis, **636**
Exercise, effect on venous blood ammonium concentration, **715**

Faecal parasites, formol-ether concentration technique for, **545**
Fascioliasis, double diffusion precipitin test compared with complement-fixation test in, **636**
Fat diet, effect on fibrinolysis, Stypven time, and platelet aggregation in Africans, Asians, and Europeans, **580**
FEIZI, T. *See* HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.
FELTKAMP, T. E. W., and BOODE, J. H. M.: Elution of antibodies from biopsy tissue, **629**
FELTKAMP-VROOM, T. M., and BOODE, J. H. M.: An embedding and sectioning technique for immunohistochemical studies of minute specimens of tissue, **188**
FERGUSON, J. C., MACKAY, N., and MCNICOL, G. P.: Effect of feeding fat on fibrinolysis, Stypven time, and platelet aggregation in Africans, Asians, and Europeans, **580**
——. *See also* MACKAY, N., FERGUSON, J. C., and MCNICOL, G. P.
Fibrin degradation products, serum, assay by agglutination-inhibition of coated erythrocytes, **299**
Fibrinogen coating of tanned sheep red cells, method and investigations, **149**
——, ^{125}I-labelled, survival after administration of phenformin plus ethyloestrenol, **797**
——, plasma, determination of, rapid method for, **43**; **374** (L)
Fibrinolysis, effect of fat diet in Africans, Asians, and Europeans, **580**
——, —— —— viper venom (*Bitis nasicornis*), **789**
——, therapeutic inhibition of, inaccuracy of euglobulin lysis time test as index of, **529**
Fibrinolytic activity, enhancement by administration of phenformin plus ethyloestrenol, **797**
Fibroblasts in acute intermittent porphyria, studies of (L), **551**
Fibrocystic disease. *See* Cystic fibrosis
Fibrosis, retroperitoneal, idiopathic, pathology of, **681**
FIELD, A. M. *See* TURNER, G. C., FIELD, A. M., LASHEEN, R. M., TODD, R. M., and WHITE, G. B. B.
Filariasis, diagnosis of, laboratory methods for, **632**
FINCH, W. *See* O'BRIEN, J. R., FINCH, W., and CLARK, E.
Fisher Hem-Alyzer, evaluation of, **60**
FLEMING, W. A. *See* WILSON, T. S., FLEMING, W. A., ROBINSON, F. L. J., and NICHOLL, B.
FLOWERS, D. J.: Human infection due to *Mycobacterium marinum* after a dolphin bite, **475**
Fluorescent antibody test, indirect, for *Brucella* antibody, comparison with agglutination, complement-fixation and Coombs tests, **161**
Fluorimetric and enzymatic method for estimation of serum total bile acids, **594**
—— blood phenylalanine technique, automated, for detection and investigation of phenylketonuria, **440**
—— method, semi-automated, for determination of cholesterol in serum and serum lipoprotein fractions, evaluation of, **243**
Fluorimetry and thin-layer chromatography, determination of individual bile acids in biological fluids by, **309**
5-Fluorocytosine, sensitivity of *Hartmannella* to, **649**
Folic acid activity, measurement of, automated method for, **47**
—— —— binding in body fluids, **703**
—— derivatives, identification by tetrazolium bioautography, **411**
—— —— in serum and whole blood, automated assay of, **54**
—— ——, serum levels, total and labile, in diagnosis of megaloblastic anaemia of pregnancy, **379**
Formol-ether concentration technique for faecal parasites, **545**
FOSSARD, C., DALE, G., and LATNER, A. L.: Separation of the proteins of cerebrospinal fluid using gel electrofocusing followed by electrophoresis, **586**
FOSTER, J. H. S. *See* BROWN, M. R. W., and FOSTER, J. H. S.
Fucidin in patients on haemodialysis, **484**
FULFORD-JONES, C. E. *See* ANDERSON, B. B., PEART, M. B., and FULFORD-JONES, C. E.
FULTON, T. T. *See* SINNIAH, D., FULTON, T. T., and MCCULLOUGH, H.

GARDNER, D. L.: Histopathology and the future, **119**
GARDNER, P. S. *See* AHERNE, W., BIRD, T., COURT, S. D. M., GARDNER, P. S., and MCQUILLIN, J.
GARNER, M. F.: The biological false positive reaction to serological tests for syphilis, **31**
——, and BACKHOUSE, J. L.: Chronic biological false-positive reactions to serological tests for syphilis in blood donors, **478**
Gastrointestinal lymphoma in childhood, **459**
Gel electrofocusing followed by electrophoresis in separation of cerebrospinal fluid proteins, **586**
—— isoelectric focusing followed by electrophoresis in investigation of myelomatosis, **35**
GHOSH, M. K.: Role of bacterial growth inhibitors in urine in diagnostic culture, **627**
GHOSH, M. L., and EMERY, J. L.: The connective tissue in livers of children, **599**
GILLETT, R., and WARBURTON, F. G.: Barbiturate blood levels found at necropsy in proven cases of acute barbiturate poisoning, **435**
Glass culture tubes, disposable, use as cuvettes (L), **825**
Glomerulonephritis, mixed membranous and proliferative, glomerular fine structure in, **613**
Glucose-6-phosphate dehydrogenase deficiency and chronic haemolysis in English family, **135**
Glutathione reductase activity in erythrocytes of healthy blood donors, **708**
Glyceride glycerol, serum, estimation by AutoAnalyzer method with glycerokinase procedure, **509**
Glycoprotein, affinity of bacteria in respiratory tract in cystic fibrosis for, **262**
—— and blood lymphocytes, differential attachment of antibiotics to, **266**
GOLDBERG, D. M., and CLARKE, A. D.: Measurement of mercury in human urine, **178**
GOLDSMID, J. M.: Studies on the laboratory diagnosis of human filariasis: preliminary communication, **632**
GOUDIE, R. B., and ANGOURIDAKIS, C. E.: Autoimmune thyroiditis associated with malignant lymphoma of thyroid (P), **377**
——. *See also* HORNE, C. H. W., HOWIE, P. W., and GOUDIE, R. B.
——. *See also* HORNE, C. H. W., MALLINSON, A. C., and GOUDIE, R. B.
GOUGH, J. *See* HENDERSON, W. J., GOUGH, J., and HARSE, J.
GRAHAM, H. PORTMAN-. *See* PORTMAN-GRAHAM, H.
Gram-negative bacteria, synergy of colistin, sulphamethoxazole and trimethoprim against, **757**
Gram stain, modification to improve colour contrast, **191**
Granulocytic leukaemia, chronic, busulphan treatment in, cholestatic jaundice after (P), **827**
GRAY, A., and DONIACH, I.: Ultrastructure of plasma cells containing Russell bodies in human stomach and thyroid, **608**
GREEN, G. H.: A simple method for histological examination of bone marrow particles using hydroxyethyl methacrylate embedding, **640**
GRIFFITHS, P. D., KELL, R. L., and TAYLOR, W.: Noise levels in a clinical chemistry laboratory, **445**
GRÜNEBERG, R. N.: Recurrent urinary infections in general practice, **259**

HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.: Immunological and histological studies in primary biliary cirrhosis, **95**
Haemagglutination inhibition immunoassay of serum fibrin degradation products, **299**
Haematological effects of long-term treatment with trimethoprim and sulphonamide for chronic chest disease, **392**
Haematology laboratory equipment, testing schedule for evaluation of, **333**
Haemodialysis, fucidin in patients on, **484**
Haemoglobin A_2 level in pregnancy, **538**
—— C disease and sickle cell haemoglobin C disease, iron metabolism in, study with large volume liquid scintillation counter, **127**
—— —— ——, diagnosis in cord blood samples, assessment of techniques for, **533**
—— levels in nursery school children (P), **826**
—— S, detection by Sickledex, **736**
Haemoglobinometers, photoelectric, evaluation of, **805**
Haemolytic anaemia, chronic, due to glucose-6-phosphate dehydrogenase deficiency in English family, **135**
—— ——, microangiopathic, red cell adherence in, **711**
Hair germ, neoplasms of, differentiating, **464**
HALE, J. H. *See* INGHAM, H. R., SELKON, J. B., CODD, A. A., and HALE, J. H.
HALL, P. C. *See* JENKINS, G. C., HUGHES, D. T. D., and HALL, P. C.

HALL, R. A., and WHITEHEAD, T. P.: Adsorption of serum calcium by plastic sample cups, 323
Haptoglobin phenotype O-O, evaluation in cirrhotic and non-cirrhotic hospital populations, 695
HARDING, J. W., BRADDOCK, G. T. F., and CROYDON, E. A. P.: Successful treatment of osteomyelitis caused by *Pseudomonas aeruginosa*, 653
HARRIS, M.: Rheumatoid heart disease with complete heart block, 623
HARRISON, R. J.: Vitamin B_{12} levels in erythrocytes in normal subjects and in pernicious anaemia, 219
HARSE, J. *See* HENDERSON, W. J., GOUGH, J., and HARSE, J.
Hartmannella, sensitivity to 5-fluorocytosine, hydroxystilbamidine and other substances, 649
HASSANEIN, A. A., MCNICOL, G. P., and DOUGLAS, A. S.: Relationships between platelet function tests in normal and uraemic subjects, 402
HAYHOE, J. P. V. *See* SANDER, G., HAYHOE, J. P. V., and MCSHANE, A.
HEADINGTON, J. T.: Differentiating neoplasms of hair germ, 464
Heart disease, rheumatoid, with complete heart block, 623
Heat damage to red cells, 572
——, effect on A, B, and H antigenic strength of red cells, 225
Hem-Alyzer, Fisher, evaluation of, 60
HENDERSON, W. J., GOUGH, J., and HARSE, J.: Identification of mineral particles in pneumoconiotic lungs, 104
Hepatic complications of accidental carbon tetrachloride poisoning, 249
Hepatitis, infective, chromosomal aberrations in bone-marrow cells in, 553
——, serum, outbreak among hospital staff, precautions in clinical chemistry laboratory after, 751
——, ——, parental, Australia antigen in early life of child following (P), 826
Herpes simplex, generalized, in malnourished African children, 24
—— —— viral antigen, demonstration by immunofluorescence, 29
HICKMAN, J. A.: Pharmacological enhancement of fibrinolytic activity and ^{125}I-fibrinogen survival, 797
Histokinette in dehydration and celloidin impregnation cycle for central nervous system material, 740
Histological fixation by microwave heating, 273
Histopathology, diagnostic, reappraisal of methods and proposals for future, 119
HOBBY, J. A. E., BEELEY, L., and WHITBY, J. L.: Fucidin in patients on haemodialysis, 484
HOLT, R. J., and NEWMAN, R. L.: Resistance to ampicillin (L), 552
HOLT, S. *See* BROUGHTON, P. M. G., DYKES, J. R. W., HOLT, S., RIDLEY, J. W., and STEEL, A. E.
HOLTON, J. B., and WEST, P. M.: An assessment of an automated fluorimetric blood phenylalanine technique for phenylketonuria screening and for accurate estimations, 440
Homocystine in urine, nitroprusside test with Ketostix reagent strips for, 90
HORNE, C. H. W., HOWIE, P. W., and GOUDIE, R. B.: Serum alpha$_2$-macroglobulin, transferrin, albumin, and IgG levels in pre-eclampsia, 514
——, MALLINSON, A. C., and GOUDIE, R. B.: The effect of oestrogens and progestogens on serum protein levels (P), 378
HORSFIELD, G. I. *See* BURMESTER, H. B. C. AULTON K. and HORSFIELD, G. I.
Hospital bacteriology, data processing system for, 77
HOURIHANE, D. O'B.: Infected infarcts of the testis: a study of 18 cases preceded by pyogenic epididymoorchitis, 668
HOWIE, P. W. *See* HORNE, C. H. W., HOWIE, P. W., and GOUDIE, R. B.
HUGHES, D. *See* KNOWLES, M., and HUGHES, D.
HUGHES, D. T. D. *See* JENKINS, G. C., HUGHES, D. T. D., and HALL, P. C.
HUME, R., WILLIAMSON, J. M., and WHITELAW, J. W.: Red cell survival in biliary cirrhosis, 397
HUNTSMAN, R. G., BARCLAY, G. P. T., CANNING, D. M., and YAWSON, G. I.: A rapid whole blood solubility test to differentiate the sickle-cell trait from sickle-cell anaemia, 781
——. *See also* CANNING, D. M., and HUNTSMAN, R. G.
——. *See also* YAWSON, G. I., HUNTSMAN, R. G., and METTERS, J. S.
HUSKISSON, E. C., MURPHY, B., and WEST, C.: Glucose-6-phosphate dehydrogenase deficiency and chronic haemolysis in an English family, 135
HUSKISSON, Y. J. *See* RETIEF, F. P., and HUSKISSON, Y. J.
HUSSEIN, H. A.-A. *See* LINNELL, J. C., HUSSEIN, H. A.-A., and MATTHEWS, D. M.
HUTCHISON, H. E. *See* WARDROP, C. A. J., and HUTCHISON, H. E.
Hydroxyethyl methacrylate embedding for histological examination of bone marrow particles, 640
Hydroxystilbamidine, sensitivity of *Hartmannella* to, 649
Hypergammaglobulinaemia, monoclonal, in atypical leukaemia of long duration, 156
Hyperparathyroidism, primary, intrafollicular amyloid in, 811
Hypertension, essential, malignant, vascular lesions of (P), 826
Hypothyroidism, red cell shape in (P), 377

Ileum, argentaffin carcinoma of, elastic sclerosis of mesenteric blood vessels in, 110
Immunity-deficiency syndrome, combined, histopathological findings in, 193
Immunoassay by haemagglutination inhibition for serum fibrin degradation products, 299
Immunoelectrophoresis and gel isoelectric focusing in investigation of myelomatosis, 35
Immunofluorescence, demonstration of herpes simplex viral antigen by, 29
——, multispot, for simultaneous processing of tests, 185
—— techniques for detection of serum antibodies, preparation of virus-infected cells for, 319
Immunoglobulin G, serum levels in preeclampsia, 514
—— light chain secretion, ultrastructural study of myeloma cells in relation to, 339
Immunoglobulins in Jamaicans and Nigerians with immunogenetic typing of myeloma and lymphoma in Jamaicans, 124
INGHAM, H. R., SELKON, J. B., CODD, A. A., and HALE, J. H.: The effect of carbon dioxide on the sensitivity of *Bacteroides fragilis* to certain antibiotics *in vitro*, 254
——. *See also* STOKES, E. R., INGHAM, E. R., and SELKON, J. B.
INGRAM, G. B. P.: Single-channel AutoAnalyzer modified to provide two channels, 187
Intestinal transfer mechanisms, 1
Iron, liquid scintillation counting of ^{55}Fe and ^{59}Fe, use of Triton X-100 scintillant for, 304
—— metabolism in sickle cell anaemia, sickle cell haemoglobin C disease and haemoglobin C disease, studies with large volume liquid scintillation counter, 127
Isoelectric focusing in polyacrylamide gel followed by electrophoresis in investigation of myelomatosis, 35
ITOH, S. *See* SUZUKI, I., TAKAHASHI, M., and ITOH, S.

Jamaicans, immunoglobulins (in comparison to Nigerians) and immunogenetic typing of myeloma and lymphoma in, 124
JANCAR, J. *See* EASTHAM, R. D., and JANCAR, J.
Jaundice, cholestatic, after treatment of chronic granulocytic leukaemia with busulphan (P), 827
JENKINS, G. C., HUGHES, D. T. D., and HALL, P. C.: A haematological study of patients receiving long-term treatment with trimethroprim and sulphonamide, 392
JENKINS, W. J. *See* JUDD, W. J., and JENKINS, W. J.
JICK, H. *See* NANDI, M., LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.
JOHNSON, G. D. *See* O'NEILL, P., and JOHNSON, G. D.
JOHNSON, T. *See* ALEXANDER, M. K., CONNIGALE, J., JOHNSON, T., POULTER, I. R., and WAKEFIELD, J.
JONES, C. E. FULFORD-. *See* FULFORD-JONES, C. E.
JONES, D. M. *See* ELDRIDGE, A. E., JONES, D. M., and TOBIN, B. M.
JUDD, W. J., and JENKINS, W. J.: Assay of anti-D using the Technicon AutoAnalyzer and the International Standard anti-D typing serum, 801

KATZ, J., LURIE, A., BECKER, D., and METZ, J.: The euglobulin lysis time test: an ineffectual monitor of the therapeutic inhibition of fibrinolysis, 529
KEELING, J. W. *See* BERRY, C. L., and KEELING, J. W.
KELL, R. L. *See* GRIFFITHS, P. D., KELL, R. L., and TAYLOR, W.
KELLY, A. *See* DAVIS, R. E., NICOL, D. J., and KELLY, A.
Ketostix reagent strips in nitroprusside test for cystine and homocystine in urine, 90
KIAER, W.: The problem of 'chronic mastitis' with epitheliosis (L), 92
KING, J., and MORGAN, H. G.: The temperature activity relationships of serum cholinesterases, 730
KIOSSOGLOU K. *See* MATSANIOTIS, N., KIOSSOGLOU, K., MAOUNIS, F., and ANAGNOSTAKIS, D.
Klebsiella aerogenes infection in neurosurgical unit (P), 378
KNOWLES, M., and HUGHES, D.: A technique for rapid isolation of macrophages from guinea-pig peritoneal exudates, 824
KOHN, J.: Method for the detection and identification of alpha fetoprotein in serum, 733
KONOTEY-AHULU, F. *See* RINGELHANN, B., KONOTEY-AHULU, F., and DODU, S. R. A.
KULATILAKE, A. E. *See* PAPADIMITRIOU, M., CHISHOLM, G. D., KULATILAKE, A. E., and SHACKMAN, R.

Labial and submandibular glands, lymphocytic sialadenitis in, postmortem correlation of, 690
Laboratory, clinical chemistry, noise levels in, 445
——, —— ——, precautions after outbreak of serum hepatitis among hospital staff, 751
—— equipment, reconditioned, for developing countries (L), 280
—— methods for diagnosis of filariasis, 632
—— report form for serial display of results in small hospitals, 737
Lactobacillus casei, measurement of serum pyridoxal by microbiological assay using, 232
LAMONT, A. *See* LAPPIN, T. R. J., LAMONT, A., and NELSON, M. G.
LANGLEY, F. A. *See* ANDERSON, M. C., and LANGLEY, F. A.
LANSLEY, T. S. *See* ENTICKNAP, J. B., LANSLEY, T. S., and DAVIS, T.
LAPPIN, T. R. J., LAMONT, A., and NELSON, M. G.: An evaluation of the Fisher Hem-Alyzer, 60
——, and SANDERSON, F. M.: An artificial leucocyte control suspension, 65
LARRIEU, M. J. *See* MEYER, D., and LARRIEU, M. J.
LASCELLES, P. T. *See* DONALDSON, D., BLIGHT, B. J. N., and LASCELLES, P. T.
——. *See* DONALDSON, D., and LASCELLES, P. T.
LASHEEN, R. M. *See* TURNER, G. C., FIELD, A. M., LASHEEN, R. M., TODD, R. M., and WHITE, G. B. B.
LATNER, A. L. *See* DALE, G., LATNER, A. L., and MUCKLE, T. J.
——. *See* FOSSARD, C., DALE, G., and LATNER, A. L.
LAWSON, D. *See* SAGGERS, B. A., and LAWSON, D.
LEEDHAM, P. W., and POLLOCK, D. J.: Intrafollicular amyloid in primary hyperparathyroidism, 811
LEEMING, R. J., PORTMAN-GRAHAM, H., SWAN, C. H. J., and BLAIR, J. A.: The application of tetrazolium bioautography to the identification of folic acid derivatives, 411
LENDRUM, A. C.: Elastic changes and carcinoid (L), 455
Leprosy, Australia antigen in Brazilians with, 39
LESLIE, J., and MASON, D. Y.: Sensitivity of platelets to aspirin in von Willebrand's disease, 526
LESTER, F. T.: Acute intermittent porphyria studies with fibroblasts (L), 551

Leucocytes, control suspension of *Candida albicans* for, 65
——, polymorphonuclear, separated from normal blood, alkaline phosphatase activity of, 590
——, unfixed, dehydrogenase enzyme cytochemistry of, 517
Leukaemia, atypical, of long duration with monoclonal hypergammaglobulinaemia, 156
——, Australia antigen in Brazilians with 39
——, granulocytic, chronic, busulphan treatment in, cholestatic jaundice after (P), 827
LEVELL, M. J. *See* COOK, M. G., LEVELL, M. J., and PAYNE, R. B.
LEWIS, B. *See* PANVELIWALLA, D., LEWIS, B., WOOTON, I. D. P., and TABAQCHALI, S.
LEWIS, G. P. *See* NANDI, M., and LEWIS, G. P.
——. *See* NANDI, M., LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.
LEWIS, S. M.: An evaluation of photoelectric haemoglobinometers, 805
——. *See also* CORNER, N. AHUJA, S., and LEWIS, S. M.
Light microscopy, renal biopsies for, processing technique for, 548
LINNELL, J. C., HUSSEIN, H. A.-A., and MATTHEWS, D. M.: A two-dimensional chromato-bioautographic method for complete separation of individual plasma cobalamins, 820
Lipoprotein fractions, serum, cholesterol determination by semi-automated fluorimetric method in, evaluation of, 243
Liquid scintillation counter, large volume, studies on iron metabolism in sickle cell anaemia, sickle cell haemoglobin C disease and haemoglobin C disease with, 127
—— —— counting of ^{55}Fe and ^{59}Fe, use of Triton X-100 scintillant for, 304
Liver, connective tissue in children, 599
—— disease, estimation of prothrombin in, 291
—— ——, venous blood ammonium levels in, 720
—— failure in infectious mononucleosis, 768
LOEWENTHAL, M. *See* DELIGDISH, L., and LOEWENTHAL, M.
Lung, amyloid (P), 826
——, pneumoconiotic, identification of mineral particles in, 104
LURIE, A. *See* KATZ, J., LURIE, A., BECKER, D., and METZ, J.
Lymphocytes in urine after renal allotransplantation, clinical evaluation of, 99
—— of blood and glycoprotein, differential attachment of antibiotics to, 266
——, preparation of pure suspensions from peripheral blood, evaluation of methods for, 822
——, separated from normal blood, alkaline phosphatase activity of, 590
Lymphocytic sialadenitis in submandibular and labial glands, postmortem correlation of, 690
Lymphoma, gastrointestinal, in childhood, 459
——, immunogenetic typing of, in Jamaicans, 124
—— of thyroid, malignant, associated with autoimmune thyroiditis (P), 377

MACADAM, R. F.: Glomerular fine structure in mixed membranous and proliferative glomerulonephritis, 613
MCCULLOUGH, H. *See* SINNIAH, D., FULTON, T. T., and MCCULLOUGH, H.
MCFARLANE, H., TALERMAN, A., and STEINBERG, A. G.: Immunoglobulins in Jamaicans and Nigerians with immunogenetic typing of myeloma and lymphoma in Jamaicans, 124
MCKAY, G. S.: Gram stain modified to improve colour contrast (L), 191
MACKAY, N., FERGUSON, J. C., and MCNICOL, G. P.: Effects of the venom of the rhinoceros horned viper (*Bitis nasicornis*) on blood coagulation, platelet aggregation, and fibrinolysis, 789
——. *See also* FERGUSON, J. C., MACKAY, N., and MCNICOL, G. P.
MCKENZIE, C. G. *See* WAYTE, D. M., STEWART, J. B., and MCKENZIE, C. G.
MCNICOL, G. P. *See* FERGUSON, J. C., MACKAY, N., and MCNICOL, G. P.
——. *See* HASSANEIN, A. A., MCNICOL, G. P., and DOUGLAS, A. S.
——. *See* MACKAY, N., FERGUSON, J. C., and MCNICOL, G. P.
MCQUILLIN, J. *See* AHERNE, W., BIRD, T., COURT, S. D. M., GARDNER, P. S., and MCQUILLIN, J.
α_2-Macroglobulin, serum levels in preeclampsia, 514
MCSHANE A. *See* SANDER, G., HAYHOE, J. P. V., and MCSHANE, A.
MCVIE, J. G.: Postmortem detection of inapparent myocardial infarction, 203
Macrocytosis in Down's syndrome and during long-term anticonvulsant therapy, 296
Macrophages, isolation from guinea-pig peritoneal exudates, technique for, 824
Malabsorption syndrome, parathyroid adenomas associated with, 362
Malaria, reappearance in U.S.A. (P), 826
MALLINSON, A. C. *See* HORNE, C. H. W., MALLINSON, A. C., and GOUDIE, R. B.
Malnutrition, generalized herpes simplex in African children with, 24
MANNUCCI, P. M.: Estimation of prothrombin in liver disease, 291
MAOUNIS, F. *See* MATSANIOTIS, N., KIOSSOGLOU, K., MAOUNIS, F., and ANAGNOSTAKIS, D.
MARCHANT, P. *See* PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.
MASON, D. K. *See* CHISHOLM, D. M., WATERHOUSE, J. P., and MASON, D. K.
MASON, D. Y. *See* LESLIE, J., and MASON, D. Y.
Mastitis, chronic, with epitheliosis (L), 92
MATSANIOTIS, N., KIOSSOGLOU, K., MAOUNIS, F., and ANAGNOSTAKIS, D.: Chromosomal aberrations in infective hepatitis, 553
MATTHEWS, D. M. *See* LINNELL, J. C., HUSSEIN, H. A.-A., and MATTHEWS, D. M.
MAUPAS, P. *See* VARGUES, R., STUDIÉVIC, C., and MAUPAS, P.
MAYERS, C. P.: Histological fixation by microwave heating, 273
——: A report form for the serial display of laboratory results in small hospitals, 737
MEADOWS, R., and SCHOEMAKER, H.: Improved processing technique for renal biopsies for light microscopy, 548
Megaloblastic anaemia of pregnancy, clinical and laboratory study and use of total and labile serum folate levels in diagnosis, 379
Meningitis, cryptococcal, associated with prolonged steroid therapy, 657
MENZIES, I. S. *See* BOLD, A. M., MENZIES, I. S., and WALKER, G.
Mercury, determination in urine, 178; (L), 741
Mesenteric blood vessels, elastic sclerosis of, in argentaffin carcinoma of ileum, 110
Mesonephroid tumours of ovary, 210
Metaplasia, tubular, in Bowman's capsule, 472
METTERS, J. S. *See* YAWSON, G. I., HUNTSMAN, R. G., and METTERS, J. S.
METZ, J. *See* KATZ, J., LURIE, A., BECKER, D., and METZ, J.
MEYER, D., and LARRIEU, M. J.: Von Willebrand factor and platelet adhesiveness, 228
Microangiopathic haemolytic anaemia, red cell adherence in, 711
Microgliomatosis (P), 377
Microwave heating for histological fixation, 273
MIDDLETON, J. E.: A simple, safe nitroprusside test using Ketostix reagent strips for detecting cystine and homocystine in urine, 90
MIDDLETON, V. L. *See* EVANS, C. A., and MIDDLETON, V. L.
Milk medium, diagnostic, for *Pseudomonas aeruginosa*, 172
MILLBANK, L., DAVIS, R. E., RAWLINS, M., and WATERS, A. H.: Automation of the assay of folate in serum and whole blood, 54
MILLS, I. H. *See* WILSON, R. J., and MILLS, I. H.
Mineral particles, identification in pneumoconiotic lungs, 104
MITCHELL, A.: Cholesterol determination on the SMA12/60 (L), 741
MITCHINSON, M. J.: The pathology of idiopathic retroperitoneal fibrosis, 681
Mitral valve ring calcification, pathological and clinical study of, 354
MIYAHIRA, T. *See* CARTER, P. K., SCHOEN, I., and MIYAHIRA, T.
Mononucleosis, infectious, death in, 765
——, ——, slide test (Monotest) for, quantitation of, 700
MONRO, P.: Effect of treatment on renal function in severe osteomalacia due to Wilson's disease, 487
MORGAN, H. G. *See* KING, J., and MORGAN, H. G.
MUCKLE, T. J. *See* DALE, G., LATNER, A. L., and MUCKLE, T. J.
Mucopolysaccharide in blood in neuroblastoma, 246
—— stains, effects on platelet aggregation, 784
MUIR, G. G., RYAN, M., and CONAILL, D. U.: An evaluation of the automated assay of urinary oestrogens in pregnant women, 492
MUNKLEY, R. M., and STUART, J.: Rapid cyanmethaemoglobin estimation (L), 190
MURPHY, B. *See* HUSKISSON, E. C., MURPHY, B., and WEST, C.
MURPHY, G. M., BILLING, B. H., and BARON, D. N.: A fluorimetric and enzymatic method for the estimation of serum total bile acids, 594
Mycobacterium marinum infection in man after dolphin bite, 475
Mycoplasma hominis, antibody to, in respiratory disease, 664
Myeloma cells, ultrastructural study in relation to function of immunoglobulin light chain secretion, 339
——, immunogenetic typing of, in Jamaicans, 124
Myelomatosis, investigation by gel isoelectric focusing followed by electrophoresis, 35
Myocardial infarction, inapparent, postmortem detection of, 203
Myoma, uterine, endometrial changes associated with, 676

NACCARATO, R. *See* HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.
NANDI, M., and LEWIS, G. P.: Thin-layer acrylamide gel electrophoresis, 727
——, LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.: Evaluation of haptoglobin phenotype O-O in cirrhotic and non-cirrhotic hospital populations, 695
Nasal carriers of antibiotic-resistant *Staph. aureus*, screening technique for, 546
Neisseria gonorrhoeae, isolation of, trimethoprim as selective agent in media for, 481
NELSON, M. G. *See* LAPPIN, T. R. J., LAMONT, A., and NELSON, M. G.
Neomycin resistance in *Staph. aureus*, stability of, 19
Neoplasms of hair germ, differentiating, 464
Nervous system, central. *See* Central nervous system
Neuroblastoma, mucopolysaccharide in blood in, 246
Neurological and neuroendocrine disorders, vitamin B_{12} absorption in, 253
—— complications in infectious mononucleosis, 767
NEWMAN, R. L. *See* HOLT, R. J., and NEWMAN, R. L.
NICHOLL, B. *See* WILSON, T. S., FLEMING, W. A., ROBINSON, F. L. J., and NICHOLL, B.
NICOL, D. J. *See* DAVIS, R. E., NICOL, D. J., and KELLY, A.
Nigerians, immunoglobulins in, comparison with Jamaicans, 124
Nitroprusside test with Ketostix reagent strips for cystine and homocystine in urine, 90
Nocardia, sensitivity to trimethoprim and sulphonamide treatment *in vitro*, 423
Noise levels in clinical chemistry laboratory, 445
Notices, 94, 280, 552, 648, 737

Obituaries:
Crowley, Nuala, 455
O'BRIEN, J. R.: Some effects of mucopolysaccharide stains on platelet aggregation, 784
——, FINCH, W., and CLARKE, F.: A comparison of an effect of different anti-inflammatory drugs on human platelets, 522

Oestrogens and progestogens, effect on serum protein levels (P), 378
——, urinary, automated assay in pregnant women, evaluation of, 492
OGILVIE, J. C. *See* PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.
O'NEILL, P., and JOHNSON, G. D.: Multispot immunofluorescence: a simple semi-automatic method of processing large numbers of tests, 185
Osteomalacia, severe, due to Wilson's disease, renal function in, effect of penicillamine and calciferol, 487
Osteomyelitis due to *Pseudomonas aeruginosa*, treatment with carbenicillin, 653
Ovary, mesonephroid tumours of, 210

Paneth cells in diverticular disease of colon, 351
PANVELIWALLA, D., LEWIS, B., WOOTTON, I. D. P., and TABAQCHALI, S.: Determination of individual bile acids in biological fluids by thin-layer chromatography and fluorimetry, 309
PAPADIMITRIOU, M., CHISHOLM, G. D., KULATILAKE, A. E., and SHACKMAN, R.: Clinical evaluation of the urinary sediment after renal allotransplantation, 99
Paraffin-embedded tissue sections, thick, preparation of thin epoxy resin sections from, 643
Parasites, faecal, formol-ether concentration technique for, 545
Parathyroid adenomas associated with malabsorption syndrome and chronic renal disease, 362
—— intrafollicular amyloid deposits in primary hyperparathyroidism, 811
PARK, J. K.: Alkaline phosphatase activity of polymorphonuclear leucocytes and lymphocytes separated from normal human blood, 590
Pathologists, clinical, role and training of, response to trends in clinical pathology, 744
Pathology, routine work schedules, computer analysis of, using simulation programme, 269
——, SI units in, 743, 818
PAYNE, R. B. *See* COOK, M. G., LEVELL, M. J., and PAYNE, R. B.
PEART, M. B. *See* ANDERSON, B. B., PEART, M. B., and FULFORD-JONES, C. E.
PEGRUM, G. D. *See* SHAW, S., PEGRUM, G. D., and WOLFF, S.
Penicillamine and calciferol treatment, effect on renal function in severe osteomalacia due to Wilson's disease, 487
PENMAN, H. G.: Fatal infectious mononucleosis: a critical review, 765
Pepsins in peptic ulcer (P), 378
PERCY-ROBB, I. W., PROFFITT, J., and WHITBY, L. G.: Precautions adopted in a clinical chemistry laboratory as a result of an outbreak of serum hepatitis affecting hospital staff, 751
Peritoneal exudates, isolation of macrophages in guinea-pig from, technique for, 824
Pernicious anaemia among Arabs in Kuwait, 577
—— ——, ^{57}Co vitamin B_{12} plasma level absorption test in, 569
—— ——, vitamin B_{12} levels in erythrocytes in, 219
Phage types, staphylococcal, relationship with toxins and enzymes, 370
Phenformin plus ethyloestrenol administration, enhancement of fibrinolytic activity and ^{125}I-fibrinogen survival by, 797
Phenylketonuria, automated fluorimetric blood phenylalanine technique for detection and investigation of, 440
PHILPOTT, D.: Thin-layer chromatography of trinitrophenyl derivatives of amino acids in urine and plasma, 315
PHOCAS, F. *See* CONSTANTOULAKIS, M., PHOCAS, F., and THEODOROPOULOS, G.
Phosphorous, plasma level, total, effect of diurnal variation in normal subjects, 772
Photoelectric haemoglobinometers, evaluation of, 805
PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.: An assessment of the Coulter counter model S, 68
Plasma calcium and phosphorus levels, total, effect of diurnal variation in normal subjects, 772
—— cells containing Russell bodies in stomach and thyroid, ultrastructure of, 608
—— cobalamins, individual, separation by two-dimensional chromato-bioautographic method, 820
—— fibrinogen, determination of, rapid method for, 43; (L), 374
—— level ^{57}Co vitamin B_{12} absorption test, 569
—— specimens from males, determination of normal ranges for uric acid in, 778
——, trinitrophenyl derivatives of amino acids in, thin-layer chromatography of, 315
—— volume determinations by ^{59}Fe-labelled dextran and Evans blue, comparison of, 286
Plastic containers, temperature inconsistency in (L), 646
—— sample cups, adsorption of serum calcium by, 323
Platelets. *See* Blood platelets
Pneumoconiosis, identification of mineral particles in lungs in, 104
POLLER, L. *See* ALDERSON, M. R., POLLER, L., and THOMSON, J. M.
POLLOCK, D. J. *See* LEEDHAM, P. W., and POLLOCK, D. J.
POMERANCE, A.: Pathological and clinical study of calcification of the mitral valve ring, 354
Porphyria, intermittent, acute, fibroblast studies in (L), 551
PORTMAN-GRAHAM, H. *See* LEEMING, R. J., PORTMAN-GRAHAM, H., SWAN, C. H. J., and BLAIR, J. A.
POULTER, I. R. *See* ALEXANDER, M. K., CONNIGALE, J., JOHNSON, T., POULTER, I. R., and WAKEFIELD, J.
POWELL, D. F. B. *See* BARR, W. T., POWELL, D. F. B., and RAFFAN, J. B.
POWELL, L. W. *See* CAMPBELL, C. B., and POWELL, L. W.
Precipitin test, double diffusion, in fascioliasis, compared with complement-fixation test, 636
Preeclampsia, serum α_2-macroglobulin, transferrin, albumin, and IgG levels in, 514
Pregnancy, automated assay of urinary oestrogens in, evaluation of, 492
——, haemoglobin A_2 level in, 538
——, megaloblastic anaemia of, clinical and laboratory study and use of total and labile serum folate levels in diagnosis, 379
PRESTON, F. E., and CHRISTENHUSZ, R.: Microangiopathic haemolytic anaemia: the phenomenon of red cell adherence, 711
PRICE, D., and SLEIGH, J. D.: Infection due to *Klebsiella aerogenes* in a neurosurgical unit (P), 378
PRIOR, A. P.: An amyloid lung (P), 826
PROFFITT, J. *See* PERCY-ROBB, I. W., PROFFITT, J., and WHITBY, L. G.
Progestogens and oestrogens, effect on serum protein levels (P), 378
Protein analysis, flexible electrophoresis applicator for use with AutoAnalyzer in, 450
Proteins of cerebrospinal fluid, separation by gel electrofocusing followed by electrophoresis, 586
——, serum levels, effect of oestrogens and progestogens (P), 378
Prothrombin and partial thromboplastin tests, comparison in long-term oral anticoagulant therapy (P), 827
—— estimation in liver disease, 291
Pseudomonas aeruginosa, diagnostic milk medium for, 172
—— ——, osteomyelitis due to, treatment with carbenicillin, 653
Pyogenic epididymoorchitis followed by infected infarcts of testis, 668
Pyridoxal, serum, measurement by microbiological assay using *L. casei*, 232

Q fever, electron microscopic findings in (P), 377

Radiosotopes, dual, standardized annular assay on well type sodium iodide crystal, 336
RAE, P. G., and ROBB, P. M.: Megaloblastic anaemia of pregnancy: a clinical and laboratory study with particular reference to the total and labile serum folate levels, 379
RAFFAN, J. B. *See* BARR, W. T., POWELL, D. F. B., and RAFFAN, J. B.
RAWLINS, M. *See* MILLBANK, L., DAVIS, R. E., RAWLINS, M., and WATERS, A. H.
RAY, P. K. *See* PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.
Red cells. *See* Erythrocytes
Renal allotransplantation, urinary sediment and lymphocytes after, clinical evaluation of, 99
—— biopsy for light microscopy, processing technique for, 548
—— complications of accidental carbon tetrachloride poisoning, 249
—— disease, chronic, parathyroid adenomas associated with, 362
—— function in severe osteomalacia due to Wilson's disease, effect of penicillamine and calciferol, 487
Respiratory disease, antibody to *Mycoplasma hominis* in, 664
—— ——, tetracycline levels in sputum in, 427
—— obstruction in infectious mononucleosis, 767
—— tract bacteria in cystic fibrosis, affinity for glycoproteins, 262
—— ——, lower, virus infections of, pathological changes in children with, 7
RETIEF, F. P., and HUSKISSON, Y. J.: Folate binders in body fluids, 703
Retroperitoneal fibrosis, idiopathic, pathology of, 681
Rheumatoid heart disease with complete heart block, 623
RIDDELL, R. H., and BUCK, A. C.: Trimethoprim as an additional selective agent in media for the isolation of *N. gonorrhoeae*, 481
RIDLEY, D. S. *See* ALLEN, A. V. H., and RIDLEY, D. S.
RIDLEY, J. W. *See* BROUGHTON, P. M. G., DYKES, J. R. W., HOLT, S., RIDLEY, J. W., and STEEL, A. E.
RINGELHANN, B., KONOTEY-AHULU, F., and DODU, S. R. A.: Studies on iron metabolism in sickle cell anaemia, sickle cell haemoglobin C disease, and haemoglobin C disease using a large volume liquid scintillation counter, 127
ROBB, I. W. PERCY-. *See* PERCY-ROBB, I. W.
ROBB, P. M. *See* RAE, P. G., and ROBB, P. M.
ROBERTSON, G., and CRAMP, D. G.: An evaluation of cholesterol determinations in serum and serum lipoprotein fractions by a semi-automated fluorimetric method, 243
ROBINSON, F. L. J. *See* WILSON, T. S., FLEMING, W. A., ROBINSON, F. L. J., and NICHOLL, B.
RONALD, W. A. *See* PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.
ROSALKI, S. B.: A direct staining technique for amylase isoenzyme demonstration, 373
——: A new colorimetric method for blood alcohol determination (P), 826
ROSENZWEIG, A. L.: False-positive reactions to syphilis tests (L), 552
ROWE, D. J. F. *See* CANAPA-ANSON, R., and ROWE, D. J. F.
Royal College of Pathologists, Working Party: The use of SI in reporting results in pathology, 818
RUSSELL, N. L., and SANDISON, A. T.: A dehydration and celloidin impregnation cycle for central nervous system material using tissue-processing apparatus (Histokinette), 740
Russell bodies, plasma cells in stomach and thyroid containing, ultrastructure of, 608
RYAN, M. *See* MUIR, G. G., RYAN, M., and CONAILL, D. U.

SAGGERS, B. A., and LAWSON, D.: Affinity for glycoproteins of bacteria found in the respiratory tract in cystic fibrosis, 262
——, ——: The differential attachment of antibiotics to glycoprotein and blood lymphocytes, 266
SALEM, S. N. *See* ALI, S. A., AL-YUSUF, A. R., SALEM, S. N., EL-GHAMRAWY, F., and ZAGULAUL, S.
SALKIE, M. L., and SIMPSON, F.: The erythrocyte glutathione reductase activity (E.C. 1.6.4.2) of healthy blood donors, 708

SALZANO, F. M., and BLUMBERG, B. S.: The Australia antigen in Brazilian healthy persons and in leprosy and leukaemia patients, **39**
SANDER, G., HAYHOE, J. P. V., and MCSHANE, A.: The preparation of virus-infected cells for use in immunofluorescence techniques, **319**
SANDERSON, F. M. *See* LAPPIN, T. R. J., and SANDERSON, F. M.
SANDISON, A. T. *See* RUSSELL, N. L., and SANDISON, A. T.
SANERKIN, N. G.: Vascular lesions of malignant essential hypertension (P), **826**
SAYERS, M. H. P.: Urinary mercury (L), **741**
SCHEUER, P. J. *See* HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.
SCHOEMAKER, H. *See* MEADOWS, R., and SCHOEMAKER, H.
SCHOEN, I., and ELLSWORTH, E. L.: The disposable glass culture tube as a cuvette (L), **825**
——. *See also* CARTER, P. K., SCHOEN, I., and MIYAHIRA, T.
SELKON, J. B. *See* INGHAM, H. R., SELKON, J. B., CODD, A. A., and HALE, J. H.
——. *See* STOKES, E. R., INGHAM, H. R., and SELKON, J. B.
Serological tests for syphilis, biological false positive reaction to, **31**
——— ——— ———, ——— ——— ——— ———, chronic, in blood donors, **478**; (L), **552**
—— types, staphylococcal, relationship with toxins and enzymes, **370**
Serratia, incidence in Britain (P), **378**
Serum alkaline phosphatases, tissue-specific, electrophor .c separation of, **499**
—— alpha-fetoprotein, detection and identification of, **733**
—— and serum lipoprotein fractions, cholesterol determinations by semi-automated fluorimetric method in, evaluation of, **243**
—— antibodies, immunofluorescence techniques for detection of, preparation of virus-infected cells for, **319**
——, anti-D content, assay with Technicon AutoAnalyzer and International Standard serum, **801**
—— bile acids, total, estimation by fluorimetric and enzymatic method, **594**
—— calcium, adsorption by plastic sample cups, **323**
—— cholinesterases, temperature activity relationships, **730**
—— ^{57}Co cyanocobalamin as index of vitamin B_{12} absorption, **558**
—— fibrin degradation products, assay by agglutination-inhibition of coated erythrocytes, **299**
—— folate, automated assay of, **54**
—— —— levels, total and labile, in diagnosis of megaloblastic anaemia of pregnancy, **379**
—— glyceride glycerol, estimation by AutoAnalyzer method with glycerokinase procedure, **509**
—— haptoglobin phenotype O-O, evaluation in cirrhotic and non-cirrhotic hospital populations, **695**
—— hepatitis, outbreak among hospital staff, precautions in clinical chemistry laboratory after, **751**
—— ——, parental, Australia antigen in early life of child following (P), **826**
—— α_2-macroglobulin, transferrin, albumin and IgG levels in preeclampsia, **514**
—— protein levels, effect of oestrogens and progestogens (P), **378**
—— pyridoxal, measurement by microbiological assay using *L. casei*, **232**
SH (Australia) antigen. *See* Australia antigen
SHACKMAN, R. *See* PAPADIMITRIOU, M., CHISHOLM, G. D., KULATILAKE, A. E., and SHACKMAN, R.
SHAHANI, R. T. *See* UNDERWOOD, J. C. E., SHAHANI, R. T., and BLACKBURN, E. K.
SHAPIRO, S. *See* NANDI, M., LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.
SHARP, A. A.: Proposed testing schedule for evaluation of equipment in haematology laboratories, **333**
——, and BALLARD, B. C. D.: An evaluation of the Coulter S counter, **327**
SHAW, S., PEGRUM, G. D., and WOLFF, S.: Estimation of platelet adhesiveness on whole blood and platelet-rich plasma, **144**
SHERLOCK, S. *See* HADZIYANNIS, S., SCHEUER, P. J., FEIZI, T., NACCARATO, R., DONIACH, D., and SHERLOCK, S.
SI units in pathology, **743**, **818**
Sialadenitis, lymphocytic, in submandibular and labial glands, postmortem correlation of, **690**
Sickle-cell anaemia and sickle-cell haemoglobin C disease, iron metabolism in, study with large volume liquid scintillation counter, **127**
—— disease, diagnosis in cord blood samples, assessment of techniques for, **533**
—— trait and sickle-cell anaemia, differentiation by whole blood solubility test, **781**
Sickledex, assessment as alternative to sickling test, **736**
SIGNY, A. G.: Trends in clinical pathologists, **744**
SIMMONS, N. A.: Colistin, sulphamethoxazole and trimethoprim in synergy against Gram-negative bacteria, **757**
SIMPSON, E. *See* SALKIE, M. L., and SIMPSON, E.
SIMPSON, J. S. *See* STUART, J., and SIMPSON, J. S.
SINNIAH, D., FULTON, T. T., and MCCULLOUGH, H.: The effect of exercise on the venous blood ammonium concentration in man, **715**
——, ——, ——: Venous blood ammonium levels in control subjects and in patients with disorders of the liver, **720**
SISKIND, V. *See* NANDI, M., LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.
SLEIGH, J. D. *See* PRICE, D., and SLEIGH, J. D.
Slide test (Monotest) for infectious mononucleosis, quantitation of, **700**
SLONE, D. *See* NANDI, M., LEWIS, G. P., JICK, H., SLONE, D., SHAPIRO, S., and SISKIND, V.
SMITH, J. F.: Parathyroid adenomas associated with the malabsorption syndrome and chronic renal disease, **362**
SMYTH, D. H.: Mechanisms in intestinal transfer, **1**
Sodium iodide crystal, well type, standardized annular assay of dual radioisotopes on, **336**
SPENCE, I. *See* PINKERTON, P. H., SPENCE, I., OGILVIE, J. C., RONALD, W. A., MARCHANT, P., and RAY, P. K.
Spinal cord blood samples, diagnosis of sickle-cell and haemoglobin C disease in, assessment of techniques for, **533**
Spleen, rupture of, in infectious mononucleosis, **766**
Sputum, tetracycline levels in respiratory disorders, **427**
Staining of cytological smears, automatic and manual, cellular contamination during, **604**
Staphylococcal toxins and enzymes, relationship with serological and phage types, **370**
Staphylococcus aureus, antibiotic-resistant, screening technique for nasal carriers of, **546**
—— ——, resistance to neomycin and other antibiotics, stability of, **19**
STEEL, A. E. *See* BROUGHTON, P. M. G., DYKES, J. R. W., HOET, S., RIDLEY, J. W., and STEEL, A. E.
STEINBERG, A. G. *See* MCFARLANE, H., TALERMAN, A., and STEINBERG, A. G.
Steroid therapy, prolonged, cryptococcal meningitis associated with, **657**
STEWART, J. B. *See* WAYTE, D. M., STEWART, J. B., and MCKENZIE, C. G.
STOKES, E. R., INGHAM, H. R., and SELKON, J. B.: A screening technique for the detection of nasal carriers of antibiotic-resistant *Staphylococcus aureus*, **546**
Stomach, plasma cells containing Russell bodies in, ultrastructure of, **608**
STUART, J., and SIMPSON, J. S.: Dehydrogenase enzyme cytochemistry of unfixed leucocytes, **517**
——. *See also* MUNKLEY, R. M., and STUART, J.
STUDIĆVIC, C.: An evaluation of the Technicon AutoAnalyzer for automating complement-fixation tests (L), **92**
——. *See also* VARGUES, R., STUDIĆVIC, C., and MAUPAS, P.
Stypven time, effect of fat diet in Africans, Asians, and Europeans, **580**
SUBBUSWAMY, S. G.: Paneth cells in diverticular disease of the colon, **351**
Submandibular and labial glands, lymphocytic sialadenitis in, postmortem correlation of, **690**
Sulphamethoxazole, colistin and trimethoprim, synergy against Gram-negative bacteria, **757**
Sulphonamide and trimethoprim treatment *in vitro*, sensitivity of *Nocardia* to, **423**
—— —— —— ——, long-term, for chronic chest disease, haematological effects of, **392**
SUZUKI, I., TAKAHASHI, M., and ITOH, S.: Ultrastructural study of human myeloma cells in relation to its function, **339**
SWAN, C. H. J. *See* LEEMING, R. J., PORTMAN-GRAHAM, H., SWAN, C. H. J., and BLAIR, J. A.
Syphilis, serological tests for, biological false positive reaction to, **31**
——, ——— ——— ———, ——— ——— ——— ———, chronic, in blood donors **478**; (L), **552**
Système International d'Unités. *See* SI units
TABAQCHALI, S. *See* PANVELIWALLA, D., LEWIS, B., WOOTTON, I. D. P., and TABAQCHALI, S.
TAKAHASHI, M. *See* SUZUKI, I., TAKAHASHI, M., and ITOH, S.
TALERMAN, A. *See* MCFARLANE, H., TALERMAN, A., and STEINBERG, A. G.
TANNAHILL, A. J. *See* EDWARDS, J. M. B., TANNAHILL, A. J., and BRADSTREET, C. M. P.
TAYLOR, W. *See* GRIFFITHS, P. D., KELL, B. L., and TAYLOR, W.
TAYLOR, W. H.: The pepsins of patients with peptic ulcer (P), **378**
Temperature activity relationships of serum cholinesterases, **730**
—— inconsistency in plastic containers (L), **646**
TEMPLETON, A. C.: Generalized herpes simplex in malnourished children, **24**
TENNANT, G. B., and WITHEY, J. L.: A simple high-speed recording colorimeter system, **452**
Testis, infected infarcts of, preceded by pyogenic epididymoorchitis, **668**
Tests, simultaneous processing with multispot immunofluorescence, **185**
Tetracycline levels in sputum in respiratory disorders, **427**
Tetrazolium bioautography in identification of folates, **411**
THEODOROPOULOS, G. *See* CONSTANTOULAKIS, M., PHOCAS, E., and THEODOROPOULOS, G.
THOMSON, J. M. *See* ALDERSON, M. R., POLLER, L., and THOMSON, J. M.
Thromboplastin test, partial, comparison with prothrombin test in long-term oral anticoagulant therapy (P), **827**
Thrombosis, irrelevance of adhesive platelet estimations after, **407**
Thyroid, plasma cells containing Russell bodies in, ultrastructure of, **608**
Thyroiditis, autoimmune, associated with malignant lymphoma of thyroid (P), **377**
Tissue specimens, minute, embedding and sectioning technique for immunohistochemical studies of, **188**
TOBIN, B. M. *See* ELDRIDGE, A. E., JONES, D. M., and TOBIN, B. M.
TODD, R. M. *See* TURNER, G. C., FIELD, A. M., LASHEEN, R. M., TODD, R. M., and WHITE, G. B. B.
TOMLINSON, A. H.: Demonstration of herpes simplex viral antigen by immunofluorescence, **29**
Toxins, staphylococcal, relationship with serological and phage types, **370**
Transferrin, serum levels in preeclampsia, **514**
Transplantation, renal, urinary sediment and lymphocytes after, clinical evaluation of, **99**
Trichoblastomas, **464**
Trichomonads, direct microscopical examination of tube cultures for, **91**

Trimethoprim and sulphonamide treatment *in vitro*, sensitivity of *Nocardia* to, **423**
—— —— —— ——, long-term, for chronic chest disease, haematological effects of, **392**
—— as selective agent in media for isolation of *N. gonorrhoeae*, **481**
——, colistin and sulphamethoxazole, synergy against Gram-negative bacteria, **757**
Trinitrophenyl derivatives of amino acids in urine and plasma, thin-layer chromatography of, **315**
Triton X-100 scintillant, use for liquid scintillation counting of ^{55}Fe and ^{59}Fe, **304**
Tumours, mesonephroid, of ovary, **210**
—— of breast, malignant, composite, case history in elderly woman, **414**
TURNER, G. C., FIELD, A. M., LASHEEN, R. M., TODD, R. M., and WHITE, G. B. B.: SH (Australia) antigen in early life (P), **826**

Ulcer, peptic, pepsins in (P), **378**
UNDERWOOD, J. C. E., SHAHANI, R. T., and BLACKBURN, E. K.: Cholestatic jaundice following treatment of chronic granulocytic leukaemia with busulphan (P), **827**
United States, reappearance of malaria in (P), **826**
Uraemia, platelet function tests in, **402**
Urea of blood, assessment of Azostix strip test for, **85**
Uric acid, determination of normal ranges for, in plasma specimens from males, **778**
Urinary ^{57}Co cyanocobalamin as index of vitamin B_{12} absorption, **558**
—— infections, recurrent, in general practice, **259**
—— oestrogens, automated assay in pregnant women, evaluation of, **492**
—— sediment and lymphocytes after renal allotransplantation, clinical evaluation of, **99**
Urine collection in children, methods for, **81**
——, cystine and homocystine in, nitroprusside test with Ketostix reagent strips for, **90**
——, determination of mercury in, **178**; (L), **741**
——, diagnostic cultures from, role of bacterial growth inhibitors in, **627**
——, trinitrophenyl derivatives of amino acids in, thin-layer chromatography of, **315**
Uterus, myoma of, endometrial changes associated with, **676**

VARGUES, R., STUDIÉVIC, C., and MAUPAS, P.: A new rapid method for automatic complement-fixation tests, **540**
Vascular lesions of malignant essential hypertension (P), **826**
—— sclerosis, elastic, of mesenteric blood vessels in argentaffin carcinoma of ileum, **110**
Venous blood ammonium levels, effect of exercise, **715**
—— —— —— —— in controls and in liver disorders, **720**
Viper venom (*Bitis nasicornis*), effect on blood coagulation, platelet aggregation and fibrinolysis, **789**
Virus infections of lower respiratory tract, pathological changes in children with, **7**
Virus-infected cells, preparation for use in immunofluorescence techniques for detection of serum antibodies, **319**
Vitamin B_{12} absorption in neurological and neuroendocrine disorders, **563**
—— —— ——, serum and urinary ^{57}Co cyanocobalamin as index of, **558**
—— ——, ^{57}Co vitamin B_{12} plasma level absorption test, **569**
—— —— levels in erythrocytes in normal subjects and in pernicious anaemia, **219**
VOAK, D. *See* BOOTH, J. R., WAGSTAFF, W., and VOAK, D.
Von Willebrand factor and platelet adhesiveness, **228**
Von Willebrand's disease, sensitivity of platelets to aspirin in, **526**
VROOM, T. M. FELTKAMP-. *See* FELTKAMP-VROOM, T. M.

WAGSTAFF, W. *See* BOOTH, J. R., WAGSTAFF, W., and VOAK, D.
WAKEFIELD, J. *See* ALEXANDER, M. K., CONNIGALE, J., JOHNSON, T., POULTER, I. R., and WAKEFIELD, J.
WALKER, G. *See* BOLD, A. M., MENZIES, I. S., and WALKER, G.
WARBURTON, F. G. *See* GILLETT, R., and WARBURTON, F. G.
WARD, A. M.: Tubular metaplasia in Bowman's capsule, **472**
WARDROP, C. A. J., and HUTCHINSON, H. E.: Red cell shape in hypothyroidism (P), **377**
WATERHOUSE, J. P. *See* CHISHOLM, D. M., WATERHOUSE, J. P., and MASON, D. K.
WATERS, A. H. *See* MILLBANK, L., DAVIS, R. E., RAWLINS, M., and WATERS, A. H.
WAYTE, D. M., STEWART, J. B., and MCKENZIE, C. G.: A composite malignant tumour of the elderly female breast, **414**
WEST, C. *See* HUSKISSON, E. C., MURPHY, B., and WEST, C.
WEST, P. M. *See* HOLTON, J. B., and WEST, P. M.
WHITBY, J. L. *See* HOBBY, J. A. E., BEELEY, L., and WHITBY, J. L.
WHITBY, L. G. *See* PERCY-ROBB, I. W., PROFFITT, J., and WHITBY, L. G.
WHITE, G. B. B. *See* TURNER, G. C., FIELD, A. M., LASHEEN, R. M., TODD, R. M., and WHITE, G. B. B.
White cells. *See* Leucocytes
WHITEHEAD, T. P. *See* HALL, R. A., and WHITEHEAD, T. P.
WHITELAW, J. W. *See* HUME, R., WILLIAMSON, J. M., and WHITELAW, J. W.
WILLIAMSON, J. M. *See* HUME, R., WILLIAMSON, J. M., and WHITELAW, J. W.
WILLS, M. R.: The effect of diurnal variation on total plasma calcium concentration in normal subjects, **772**
WILSON, R. J., and MILLS, I. H.: Measurement of plasma volume by means of ^{59}Fe-labelled dextran and Evans blue compared, **286**
WILSON, T. S., FLEMING, W. A., ROBINSON, F. L. J., and NICHOLL, B.: Cryptococcal meningitis associated with steroid therapy, **657**
Wilson's disease, severe osteomalacia due to, renal function in, effect of penicillamine and calciferol, **487**
WITHEY, J. L. *See* TENNANT, G. B., and WITHEY, J. L.
WOLFF, S. *See* SHAW, S., PEGRUM, G. D., and WOLFF, S.
WOODLIFF, H. J. *See* ARMSTRONG, B. K., and WOODLIFF, H. J.
WOOTTON, I. D. P. *See* PANVELIWALLA, D., LEWIS, B., WOOTTON I. D. P., and TABAQCHALI, S.

YAWSON, G. I., HUNTSMAN, R. G, and METTERS, J. S.: An assessment of techniques suitable for the diagnosis of sickle-cell disease and haemoglobin C disease in cord blood samples, **533**
——. *See also* HUNTSMAN, R. G., BARCLAY, G. P. T., CANNING, D. M., and YAWSON, G. I.

ZAGULAUL, S. *See* ALI, S. A., AL-YUSUF, A. R., SALEM, S. N., EL-GHAMRAWY, E., and ZAGULAUL, S.